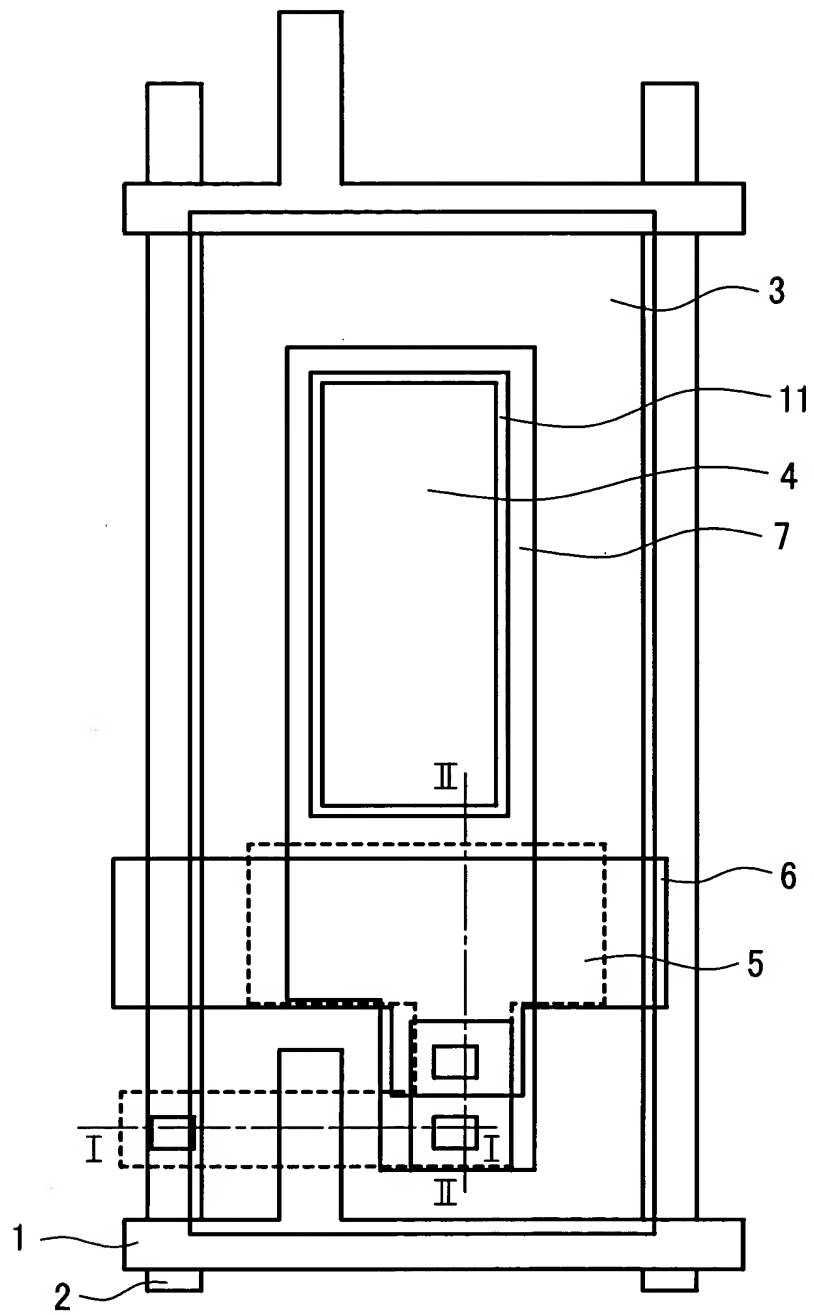
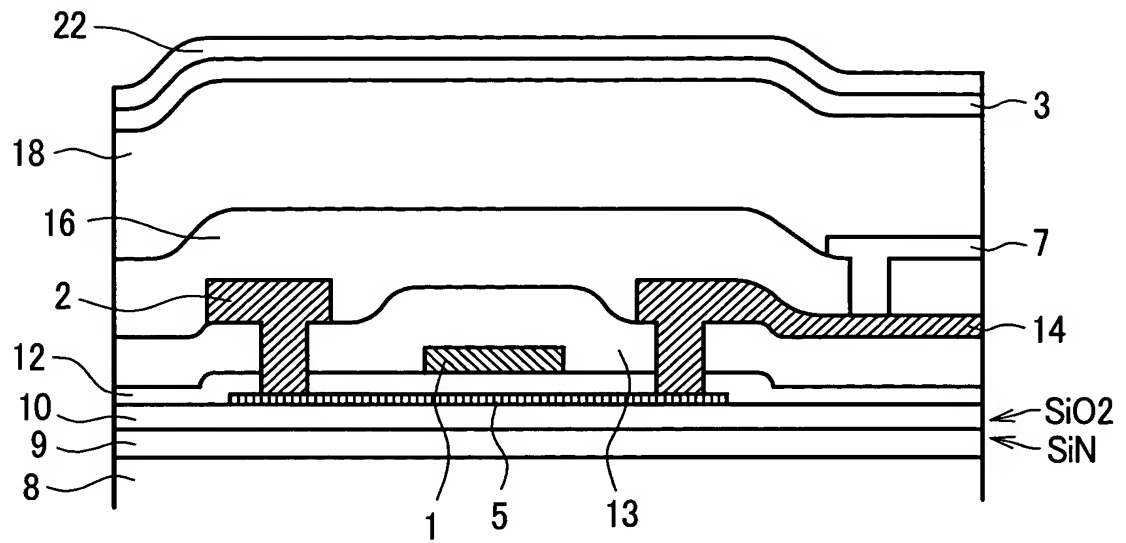


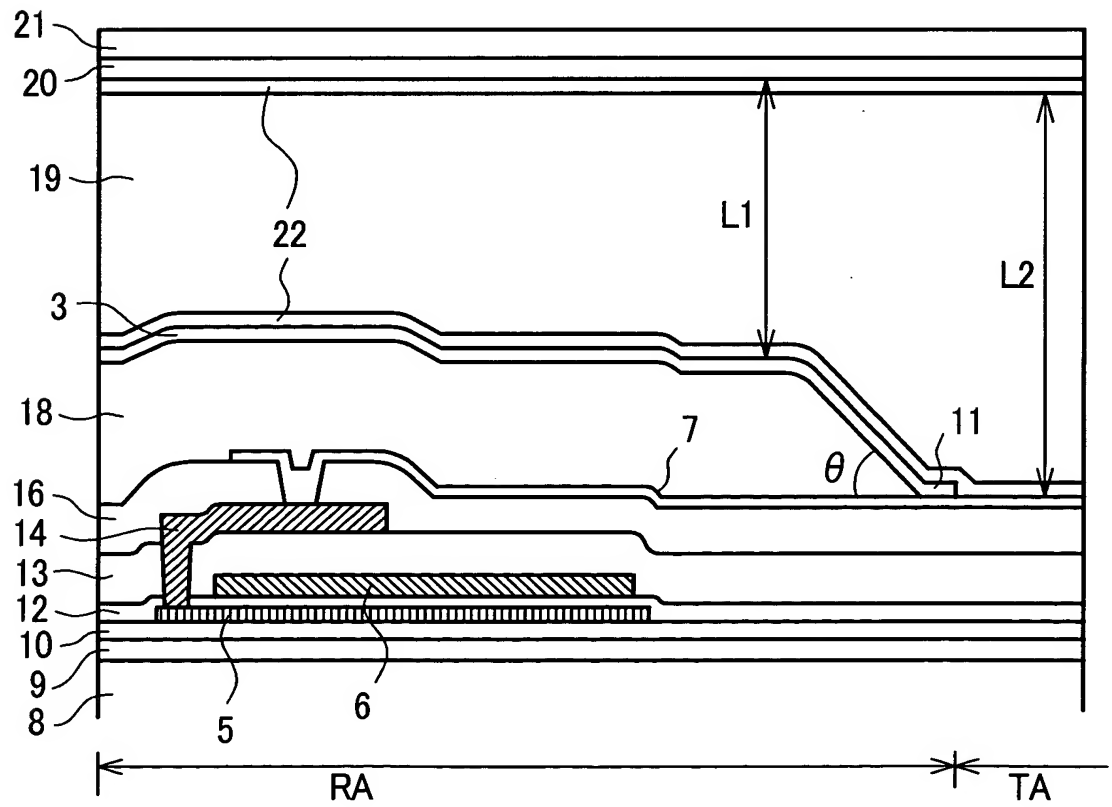
*FIG. 1*



*FIG. 2*



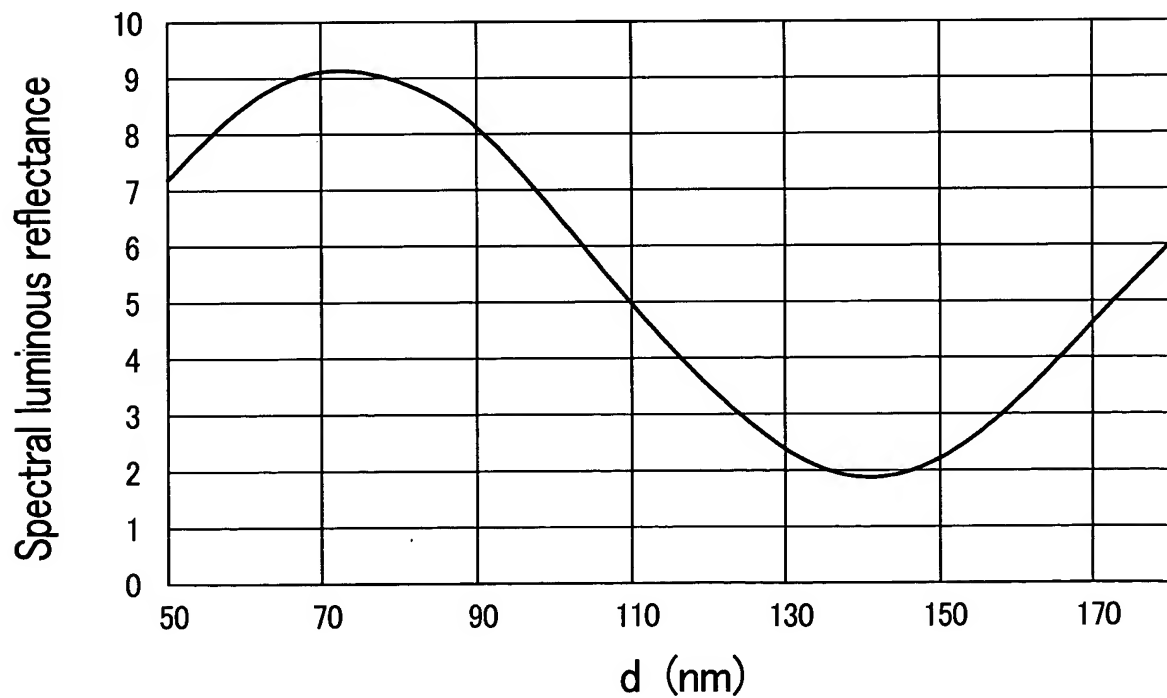
*FIG. 3*



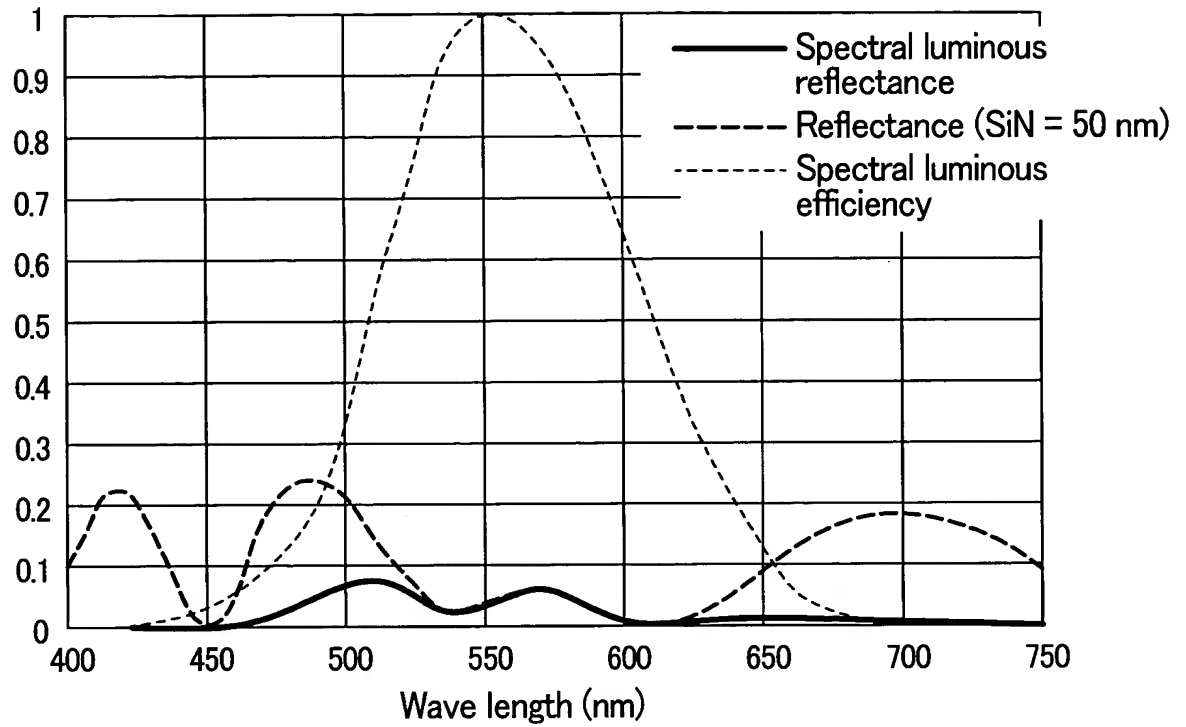
**FIG. 4**

	Material	d (nm)	n (Wave length : 555nm)
Orientation film/LC	Orientation film/LC		1.5
Transparent electrode	ITO	77	2.0
2nd. insulating film	SiO <sub>2</sub>	200	2.0
1st. insulating film	SiO <sub>2</sub>	540	1.5
Gate insulating layer	SiO <sub>2</sub>	100	1.5
2nd. lower layer	SiO <sub>2</sub>	100	1.5
1st. lower layer	SiN	50~180	2.0
Substrate	Glass		

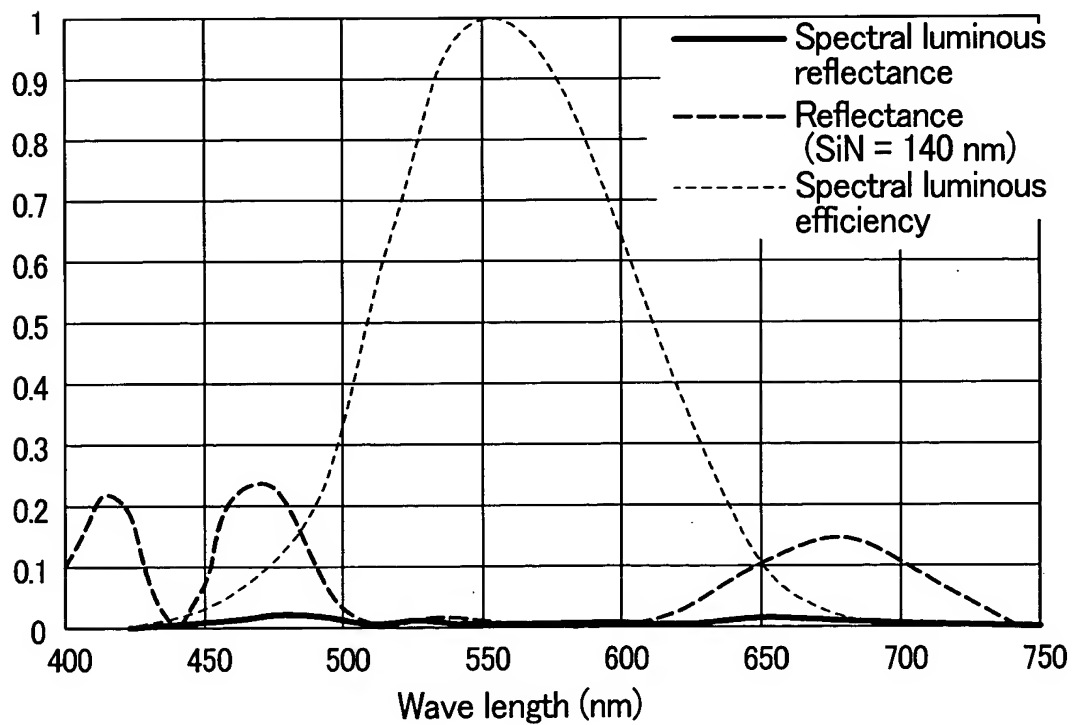
**FIG. 5**



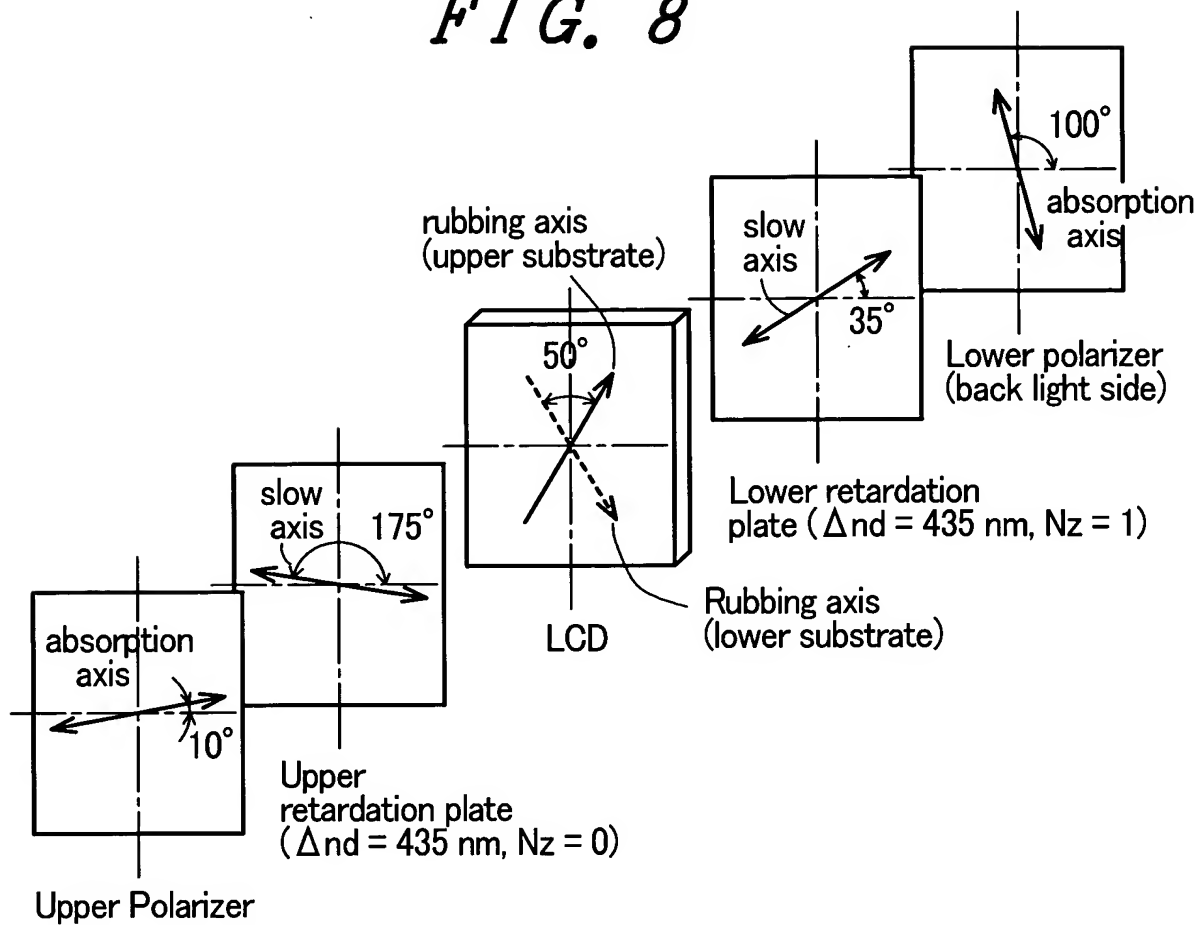
*FIG. 6*



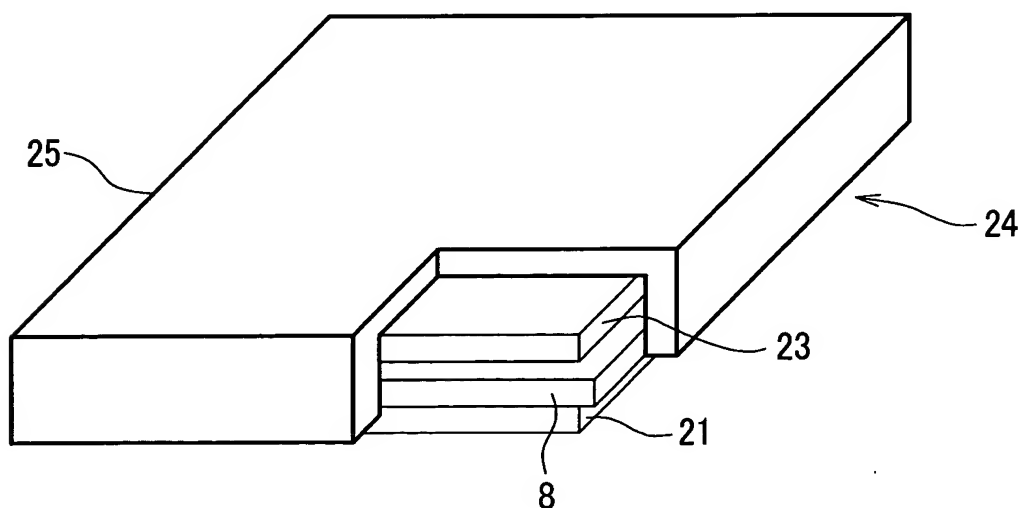
*FIG. 7*



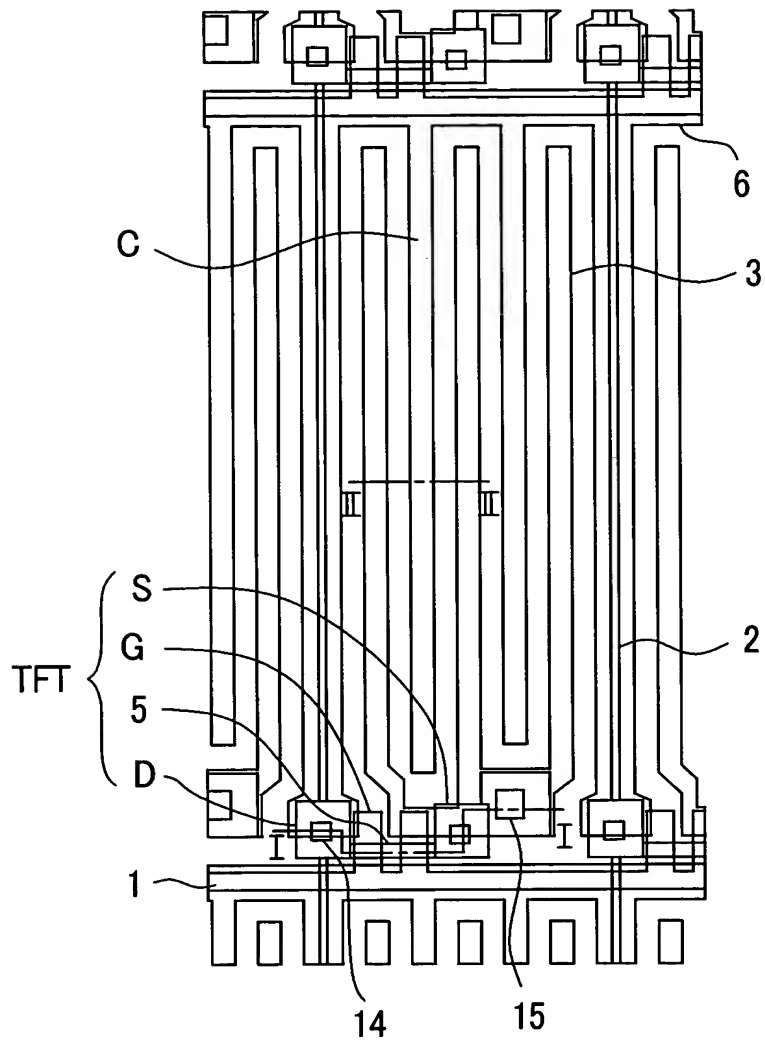
**FIG. 8**



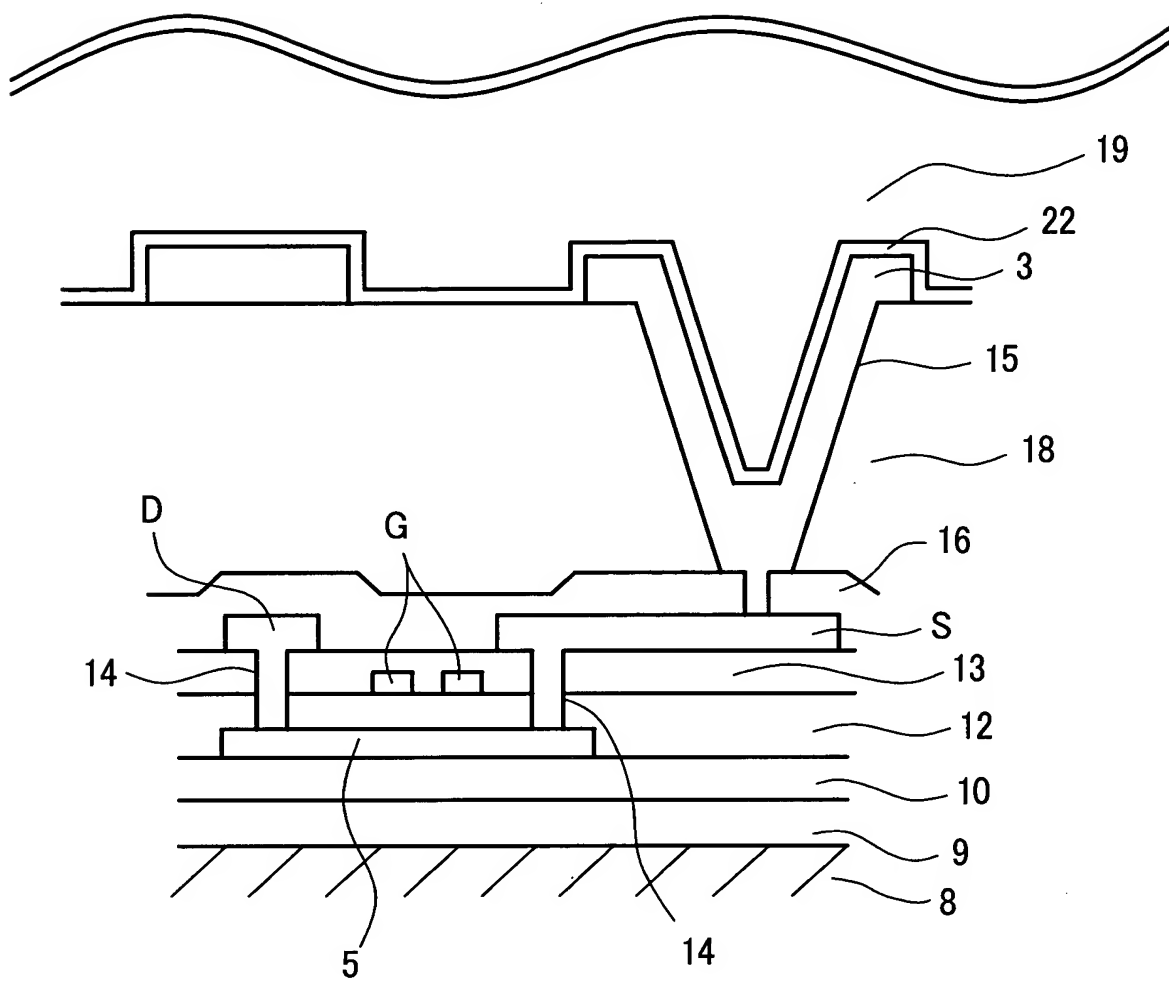
**FIG. 9**



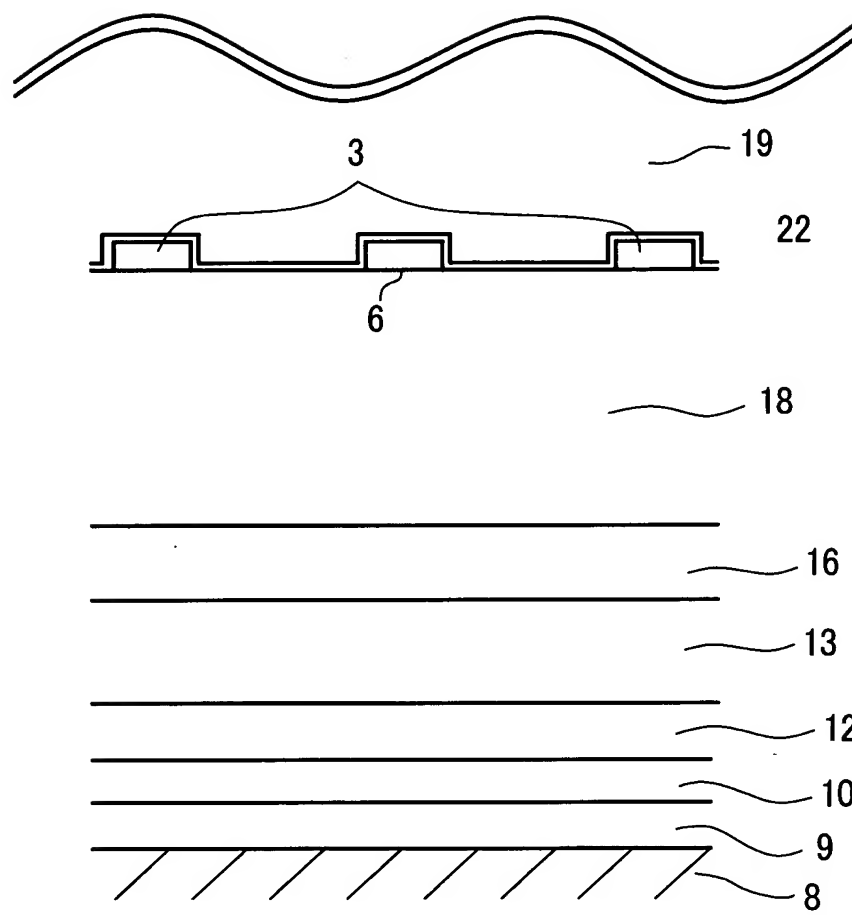
*FIG. 10*



*FIG. 11*



*FIG. 12*

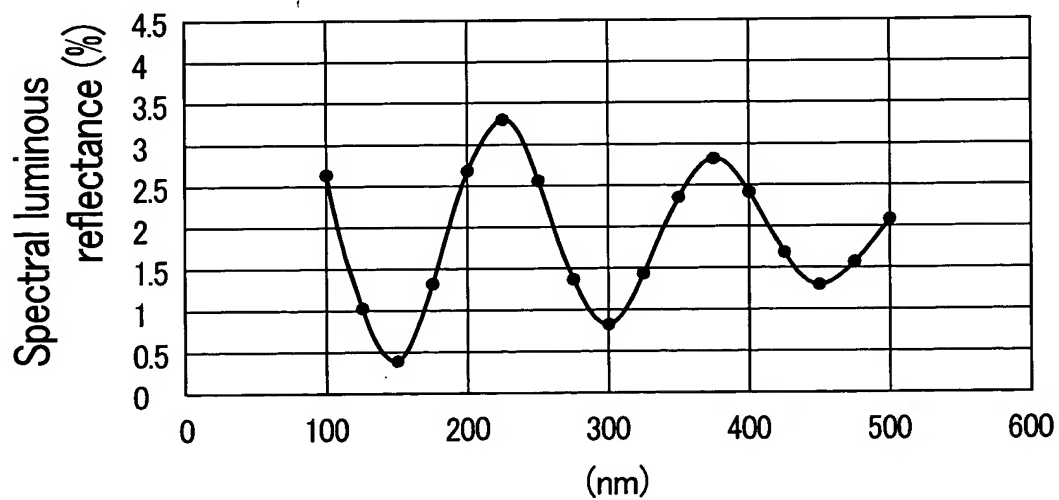




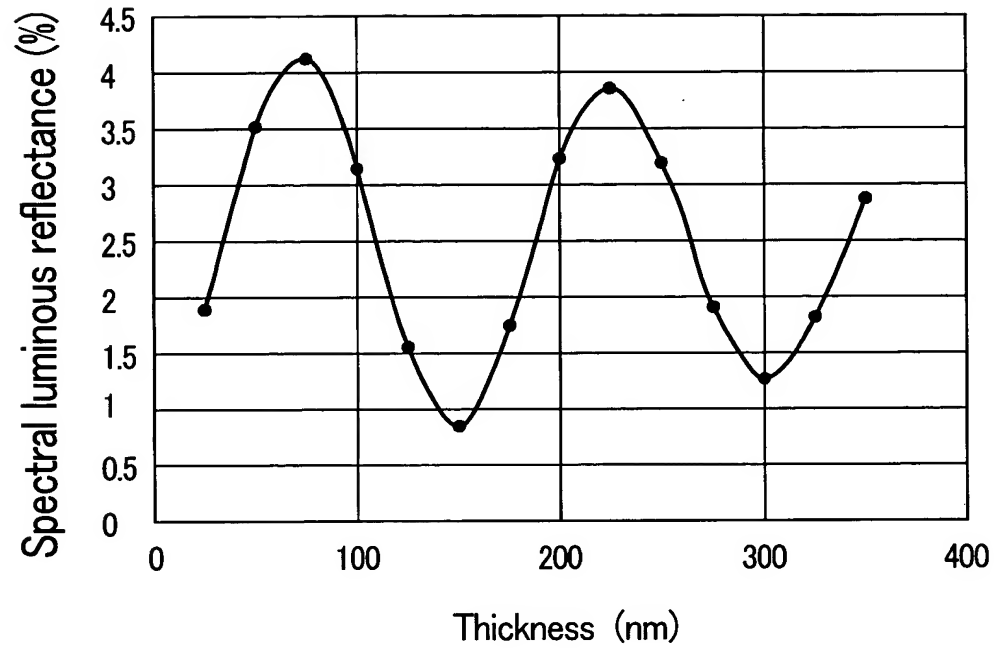
*FIG. 13*

	Material	d (nm)	n (Wave length : 555nm)
Orientation film/LC	Orientation film/LC	5200	1.5
Transparent electrode	ITO	140	2.0
Passivation film	Organic film	1730	1.6
2nd. insulating film	SiO <sub>2</sub>	300	1.85
1st. insulating film	SiO <sub>2</sub>	540	1.5
Gate insulating layer	SiO <sub>2</sub>	100	1.5
2nd. lower layer	SiO <sub>2</sub>	100	1.5
1st. lower layer	SiN	150	1.85
Substrate	Glass	—	1.5

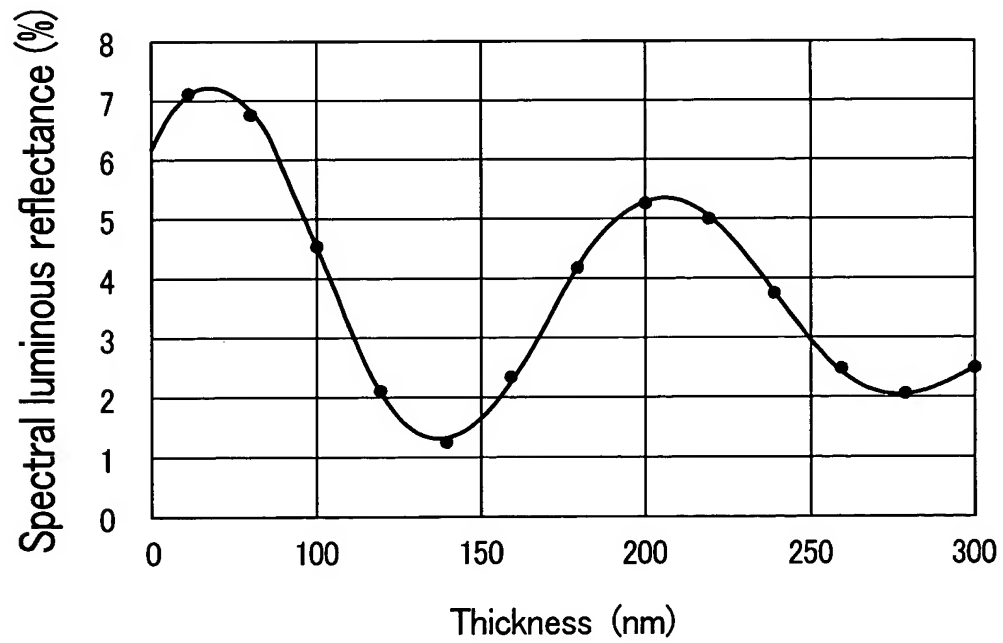
*FIG. 14*



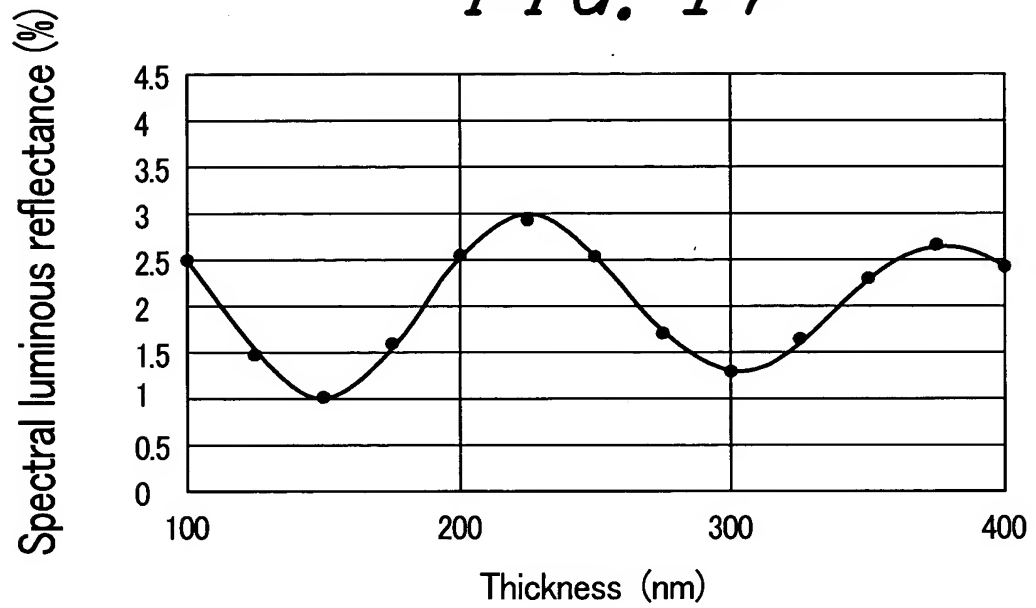
*FIG. 15*



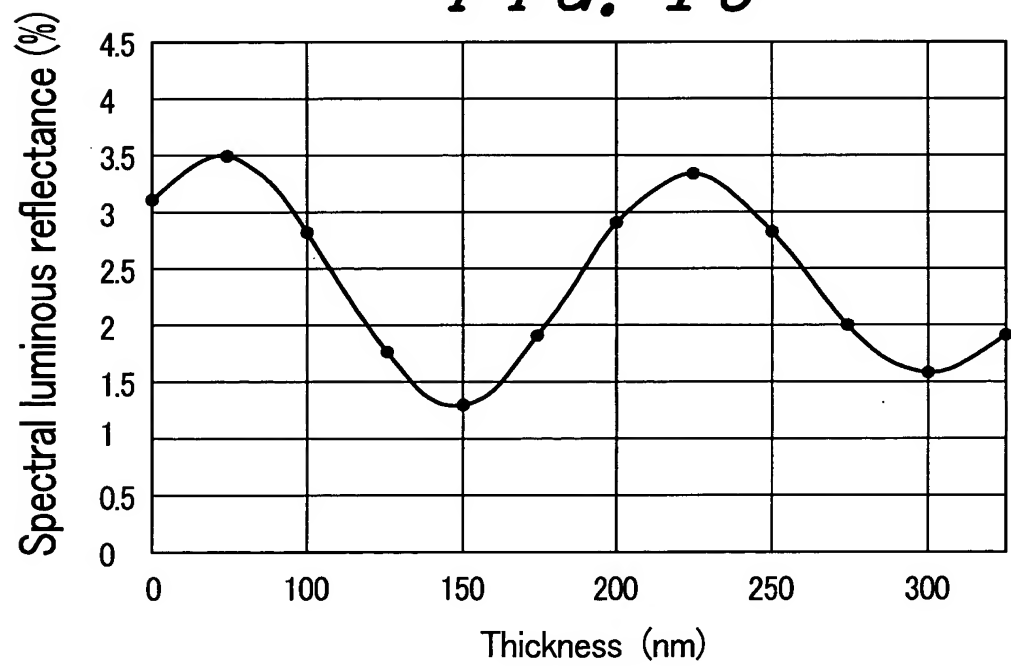
*FIG. 16*



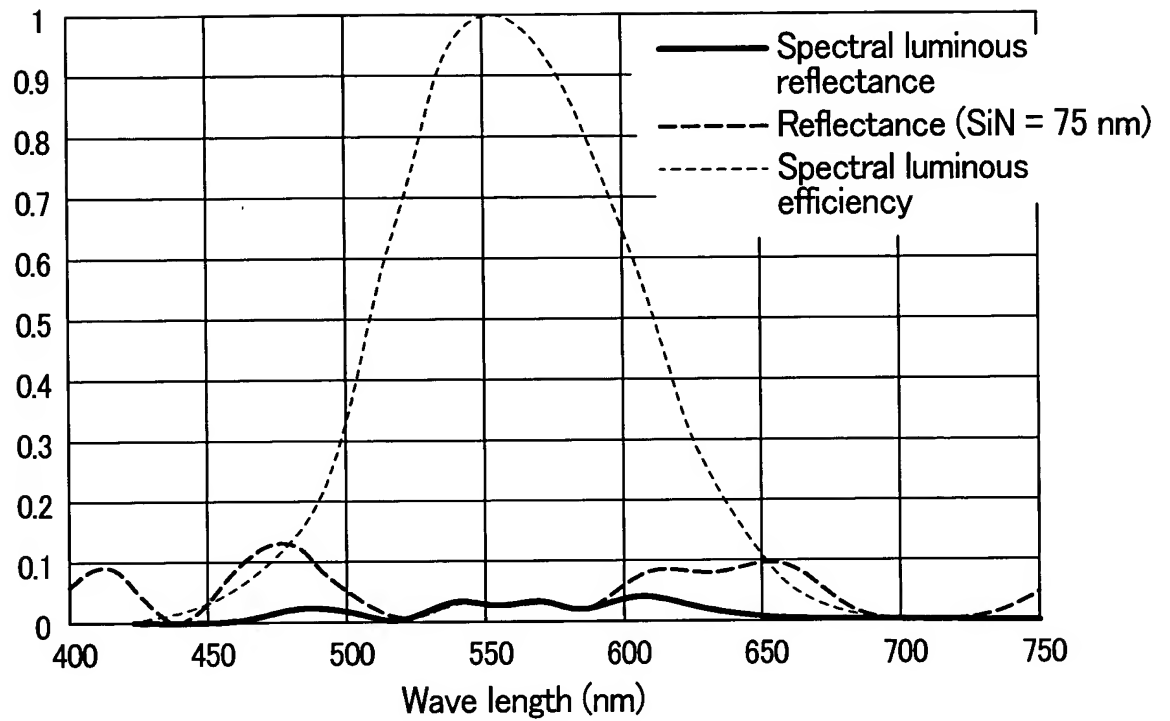
*FIG. 17*



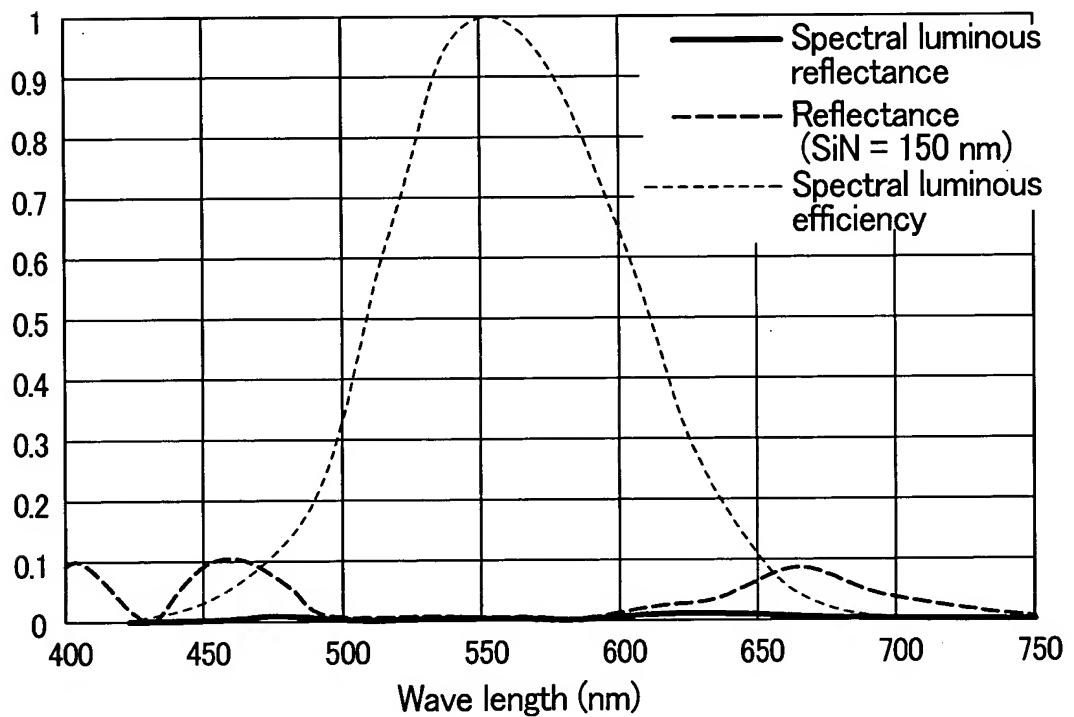
*FIG. 18*



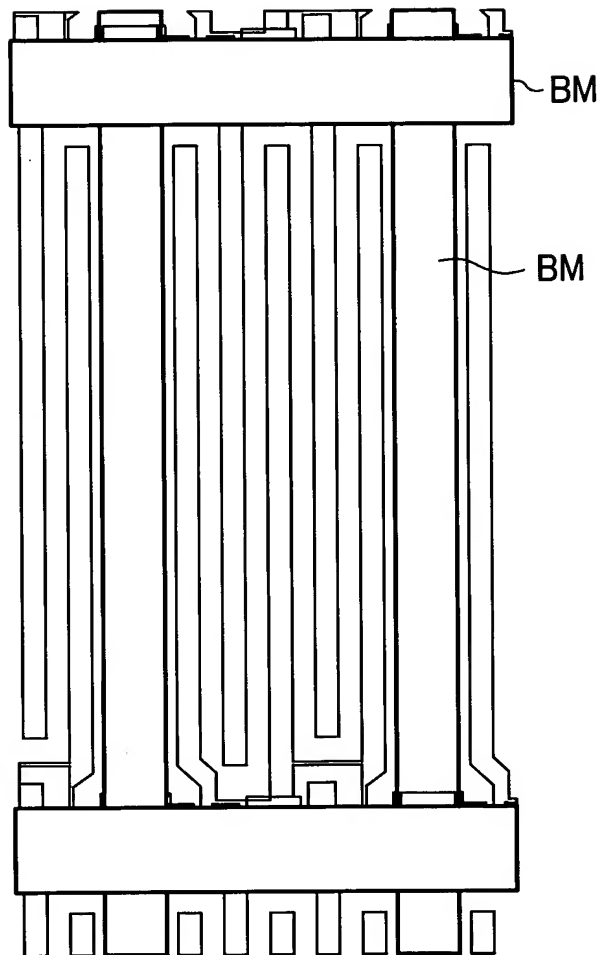
*FIG. 19*



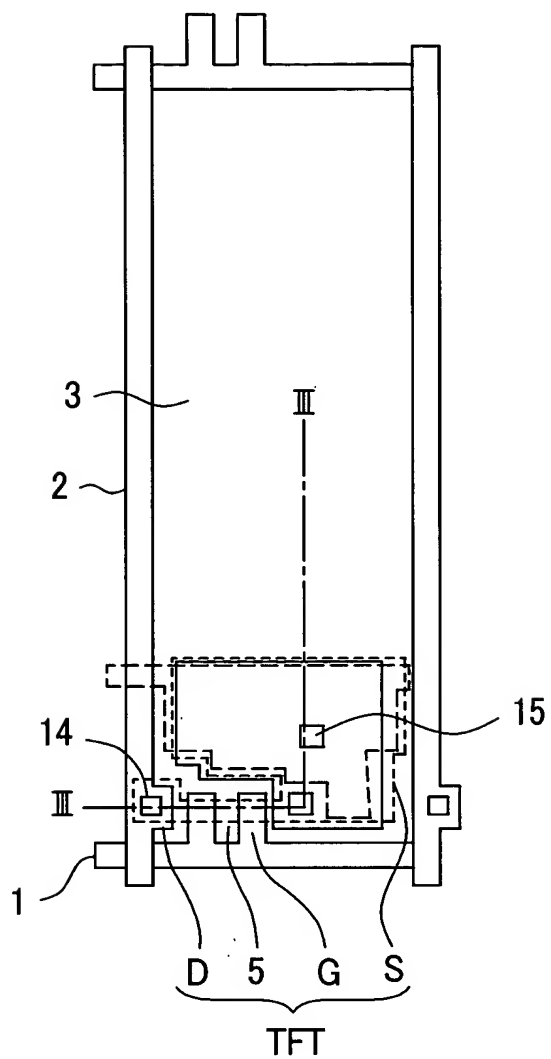
*FIG. 20*



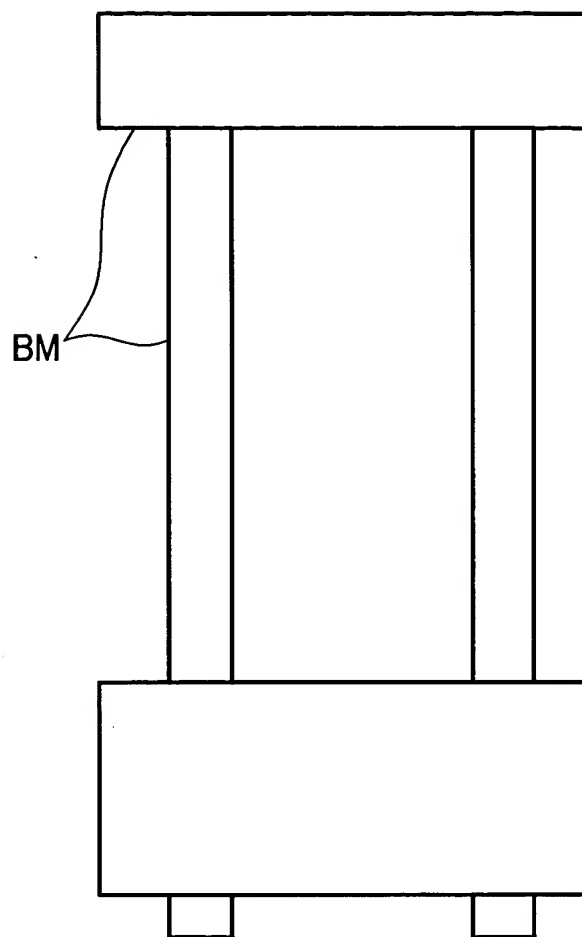
*FIG. 21*



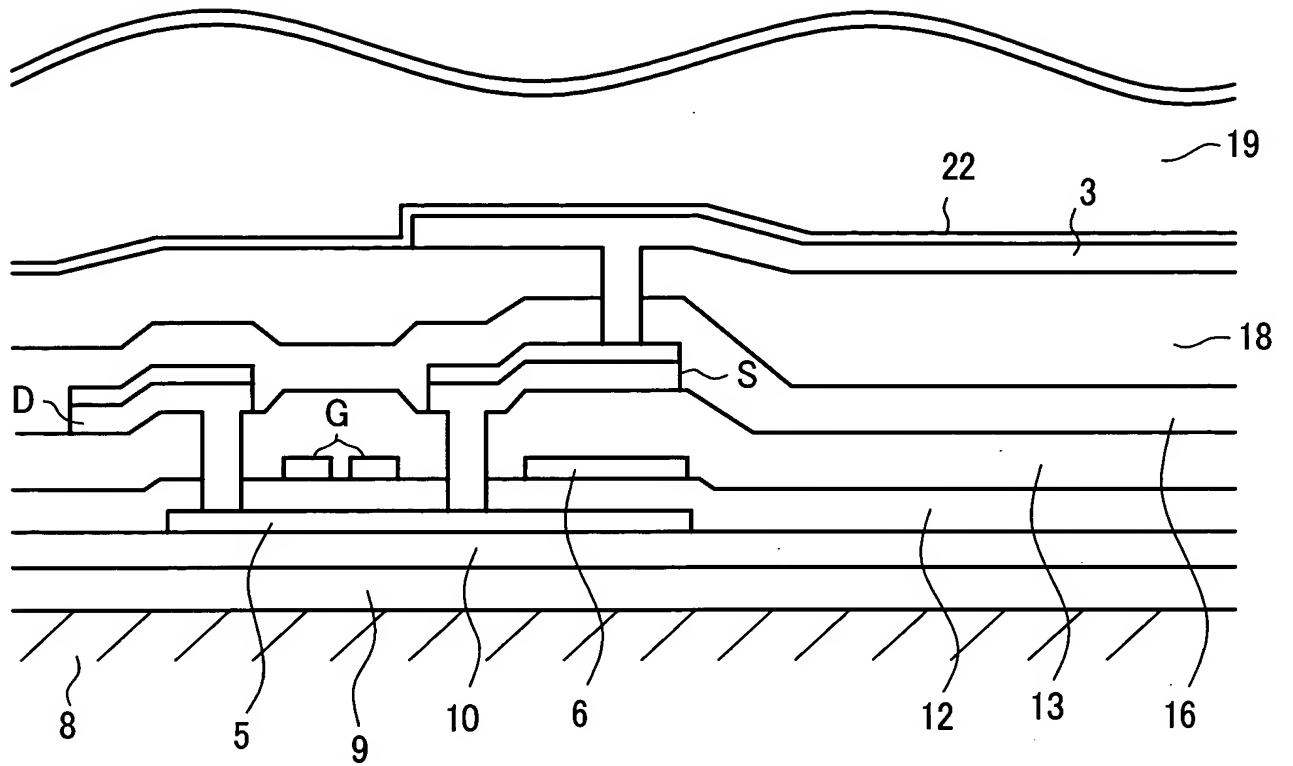
*FIG. 22*



*FIG. 23*



*FIG. 24*



*FIG. 25*

